

## ABSTRACT

Aspects of a fail safe circuit for protecting power supply operation from a failure are described. The fail safe circuit shutdowns at least one power supply when a preset threshold is exceeded and resets to resume normal operation following a temporary fault condition.

- 5        The fail safe circuit includes a switch coupled to a voltage signal line of a branch of a power supply system, a current sense resistor coupled to the switch for detecting a failure condition in the branch, and a latch coupled to the current sense resistor and the switch for turning the switch off during the failure condition.

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